

APPENDIX

VERSION OF SPECIFICATION AND CLAIMS
WITH MARKINGS TO SHOW CHANGES MADEIn the Specification:

At page 1, line 1 of the specification, please insert the following new sentence:

5 Statement of Government Support:

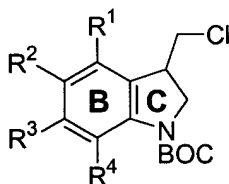
This invention was made with government support under Contract No. CA55276 by the National Institutes of Health. The government has certain rights in the invention.

10 In the Claims:

Please cancel claims 2-18 without prejudice.

Please amend Claim 1 and add new claims 19-31 as follows:

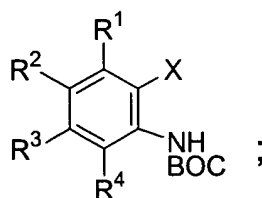
- 15 1. (once amended) A [method] process for [the synthesis] synthesizing a dihydroindole C-ring of a CC-1065/duocarmycin analog, the dihydroindole C-ring of a CC-1065/duocarmycin analog being represented by the following structure:



[wherein the method comprises] the process comprising the following steps [of]:

Step A: allylating an [aryl halide] ortho-haloaniline with 1,3-dichloropropene [and a catalytic amount of *n*-tetrabutylammonium iodide] for forming a vinyl chloride, the ortho-haloaniline being represented by the following structure:

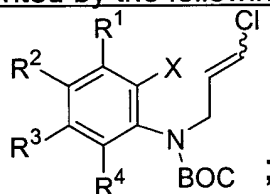
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5 wherein:

R¹, R², R³, and R⁴ are radicals independently selected from the group consisting of hydrogen, alkyl(C1-C6), alkoxy, and arylalkoxy, with a proviso that R¹ and R², or R² and R³ may form a fused 5- or 6-membered ring with or without a heteroatom; and

10 X is a halide selected from the group consisting of bromine and iodine; and the vinyl chloride is represented by the following structure:



15 then

Step B: cyclizing the vinyl chloride of said step A [under conditions using tributyl tin hydride, catalytic AIBN and toluene as the solvent] for forming the dihydroindole C-ring of the CC-1065 / duocarmycin analog.

20 19. (new claim) A process according to claim 1 wherein, in said Step A, the *ortho*-haloaniline is an *ortho*-bromoaniline.

20. (new claim) A process according to claim 1 wherein, in said Step A, the *ortho*-haloaniline is an *ortho*-iodoaniline.

25 21. (new claim) A process according to claim 1 wherein, in said Step A, the *ortho*-haloaniline is protected with a BOC group.

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22. (new claim) A process according to claim 1 wherein, in said Step A, said allylation is catalyzed by the addition of a catalytic amount of tetra-*n*-butyl ammonium iodide.

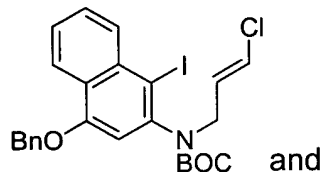
23. (new claim) A process according to claim 1 wherein, in said Step B, said cyclization is performed with an addition of tri-*n*-butyltin hydride.

24. (new claim) A process according to claim 23 wherein, in said Step B, said cyclization is catalyzed by the addition of a catalytic amount of AIBN.

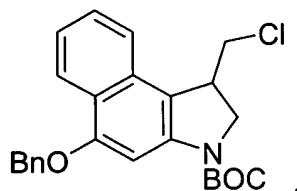
25. (new claim) A process according to claim 24 wherein, in said Step B, said cyclization is performed using toluene as the solvent.

26. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

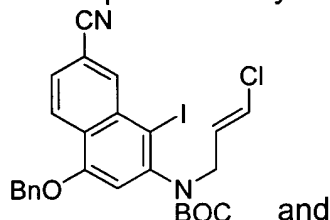


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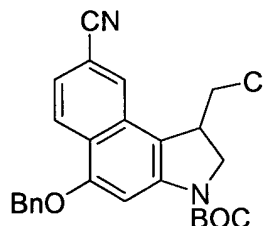
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27. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:

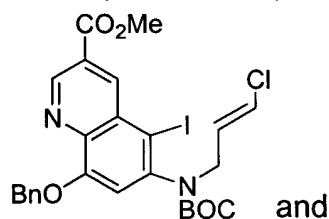


in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

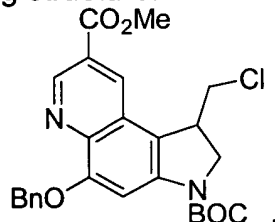


28. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

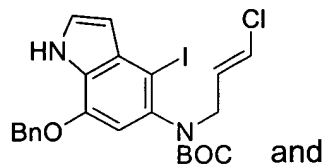


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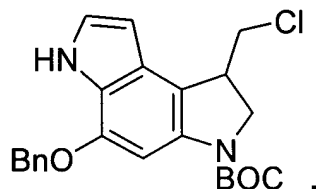
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29. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:

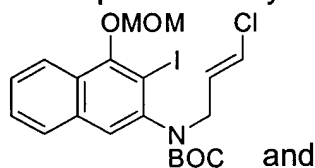


10 in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

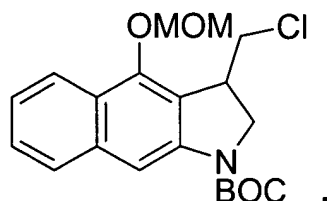


30. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



25 in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

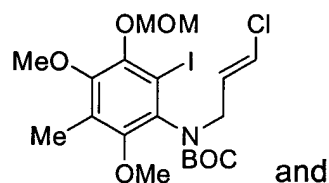


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31. (new claim) A process according to claim 1 wherein:

in said Step A, the vinyl chloride is represented by the following structure:



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in said Step B, the dihydroindole C-ring of the CC-1065 / duocarmycin analog is represented by the following structure:

